

## ABSTRACT

A method for operating a node in a computer network is disclosed, where the network is made up of nodes connected by links. The method has the steps: determining an alternate path for one or more links; reserving resources for the alternate path; and rerouting traffic on the alternate path in case of a link failure. The alternate path may be periodically updated. A plurality of alternate paths may be maintained. The alternate paths may not have any links in common. User traffic may be rerouted substantially simultaneously to each link of the alternate path in the event of failure of a primary path.